

## **GENERAL MOTORS CORPORATION**

EXECUTIVE ORDER A-006-1245
New Passenger Cars, Light-Duty Trucks
and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODI		TEST GROUP			VEHICLE TYPE (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; GVW=gross VW)	STANI (LEV=low transition	AUST EMISSION DARD CATEGORY emission vehicle; TLEY al LEV; ULEV=ultra LEY LEV=super ULEV)	EXHAUST (EXH) / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ ilquefied natural gas; LPG=liquefied petroleum gas)					
200		5GMXT06.0198			MDV: 5751 - 8500 Pounds ALVW	Coun	SEPA Bin 10a ited as ARB ULEV	EXH: 120K EVAF/ORVR: 120K	Dual-Fueled: Gasoline (Tier 2 Unleaded) or CNG					
No.		PORA IILY (E	VAF)	No	SPECIAL FEATURES EMISSION CONTROL SYSTE	& VIS (ECS)	* = not applicable	OC/TWC=oxidizing/3-way ca	ADSTWC=sdearbine TWO					
1	5GMXR0223860			1	2WUTWC, 2TWC, 2H	02S(2), SFI, C	MAPO/MAPO-EIPTUSI (200 san	S=oxygen sensor/heated O2S sor/heated AFS EGR=exhaust						
2		•			•		-Mgas recirculation AIR/PAIR=secondary air injection/nulear							
3		•					AIR MFUSPI= multiport fuel injection/sequential MFI TBI= twottle body injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series							
4					*									
EVAF No.	- 1	CS No.	ENGIN SIZE (L		VEHICLE VEI MAKES & MODELS STA	IICLES SUBJ	ECT TO SFTP E UNDERLINED	ABBREVIATIONS:						
1_		1	6.0		Chevrolet: C2500 HD Silverado 2WD, K2500 HD Silverado 4WD									
1		1	6.0		G	MC: C2500 H	0 HD Sierra 4WD							
*	* *				1									
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The exhaust and evaporative emission standards (STD), as requested by the manufacturer, and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

	MOG F ERAGE			RAF=*	NMOG or							H4 hydroca RAF=reacth				
CE	रा	STD	NMOG CERT [g/mi]	NMHC CERT [g/mi]	STD [g/mi]	diurnal+ho mg=millig	N-BOOK K	և լց/ույյ=ույ	nning loss 1000 miles	ORVR	g/gallor	i dispensed)	=on-board n SFTP=supp	efueling var	OF recovery	OSCOR
	*	*					[g/mi]		x [g/mi]	H		mg/mi]	PM (c	/mi)	Hwy NO	
Service Con-						CERT	STD	CERT	ST	CI	ERT	STD	CERT	STD	CERT	STD
		@ 50K	0.017 (0.085)	•	0.195 (0.195)	1.0 (1.6)	(4.4)	(0.2)	0.4 (0.4		1 (*)	18 (18)	*		0.13	0.53
		@ UL	0.017 (0.085)	*	0.280 (0.280)	1.0 (1.6)	6.4	0.1	0.6		1	27	•		(0.09) 0.13	(0.53) 0.86
Andrews	@:	0°F & 4K	*		•	*	+	(0.2)	*		•	(27)	•		(0.09)	(0.80)
@ 20		SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV)		NMHC+NOx [g/mi] CO [g/mi] (composite)			NMHC+NOx CO		O [g/mi] [US06]		HC+NOx i1 (SC031		[g/mi] C03]			
50	K	SFTP 2 =	@ UL (Tier	i, TLEV)	CERT	STD	CERT	STD	CERT	STD	CE				CERT	STD
CERT	(4.1)		SF	TP @ 4K	•	*	*	*	(0.2)	(0.6)	(1.				(0.8)	(4.0)
STD	(12.5)	Marianan	SF	TP @ UL	(0.18)	(1.67)	•	•	•		(1.		<del></del>	*	(0.8)	(6.4)
@ UL	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2 EVAPOR					PORATIV		MILY 3		/ABOBATI	1 .	<u> </u>
9	3-D	2-D	RL	ORVR	3-D	2-D		ORVR	3-D	2-D	RL			/APORATI		
CERT	0.6 (0.6)	0.5 (0.5)	0.00	(0.09)	•	*	•	•	•	•	•	·	• •	2-0	RL .	ORVR
STD	2.5 (2.5)	3.0 (3.0)	0.05 (0.05)	(0.20)	•	*	•	•	•	•	•	*	-	•		•

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

BE IT FURTHER RESOLVED: That the listed vehicle models are federally certified, and are certified under the provisions of 13 CCR Section 1961(a)(14) and the incorporated test procedures.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this \_\_\_\_\_\_ day of July 2004.

Allen Lyons, Chief Mobile Source Operations Division